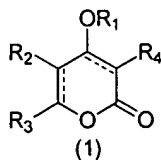


AMENDMENTS TO THE CLAIMS

1. (Currently amended) ~~Compound~~ A compound of formula (1) and salts, stereoisomeric forms, racemic mixtures, prodrugs, esters and metabolites thereof, wherein



R₁ is a glycosyl moiety, hydroxyl-protected acetate derivatives thereof or amino derivatives thereof;

R₂, R₃ ~~an~~ and R₄ are, each independently, selected from the group ~~comprising~~ consisting of hydrogen, C₁₋₆alkyl, C₂₋₂₀alkenyl, C₆₋₂₀arylalkyl, C₃₋₇cycloalkyl, C₃₋₇cycloalkylC₁₋₆alkyl, C₆₋₂₀aryl aralkyl, alkylcarbonyloxy, arylcarbonyloxy, alkyloxy, alkylthio, alkylamino, alkyloxyalkyl, alkanoyl, alkylcarbonylalkyl, optionally substituted by one or more substituents independently selected from the group ~~comprising~~ consisting of alkyl, aralkyl, aryl, cycloalkyl, alkyloxycarbonyl, carboxyl, aminocarbonyl, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group ~~comprising~~ consisting of alkyl, aryl, aralkyl, aryloxy, arylamino, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkoxy.

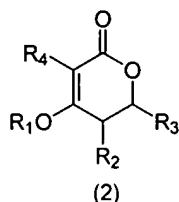
2. (Currently amended) ~~Compound~~ The compound according to claim 1, wherein said glycosyl moiety is a saccharyl moiety, a hydroxy-substituted cyclohexyl moiety, hydroxyl-protected acetate derivatives thereof or amino derivatives thereof.

3. (Currently amended) ~~Compound~~ The compound according to claim 1 ~~or 2~~, wherein R₂, R₃ ~~an~~ and R₄ are, each independently, selected from the group ~~comprising~~ consisting of hydrogen, C₁₋₆alkyl, C₂₋₂₀alkenyl, C₆₋₂₀arylalkyl, C₃₋₇cycloalkyl, C₃₋₇cycloalkylC₁₋₆alkyl, C₆₋₂₀aryl and R₁ is selected from the group ~~comprising~~ consisting of glucopyranosyl, fructosyl, galactopyranosyl, mannopyranosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, threosyl, sorbosyl, psicose, tagatosyl, fucosyl, arabinosyl, xylofuranosyl, lyxosyl, talosyl, idosyl, gulonic, altronic, allosyl, mannoheptulosyl, sedoheptulosyl, maltosyl, lactosyl, glucofuranosyl, sucrosyl, cellobiosyl,

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trehalosyl, gentiobiosyl, melibiosyl, turanosyl, sophorosyl, isosucrosyl, raffinose, gentianose, 2-amino-2-deoxy glucosyl, 2-amino-2-deoxy galactosyl, 2 amino-1,3- cyclohexanediol, and hydroxyl-protected acetate derivative thereof or amino derivatives thereof.

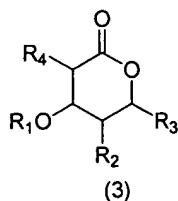
4. (Currently amended) ~~Compound~~ The compound according to any of claims 1 to 3 claim 1, having comprising the formula (2), wherein R₁, R₂, R₃ and R₄ have the same meaning as that defined above.



wherein R₁ is a glycosyl moiety, hydroxyl-protected acetate derivatives thereof or amino derivatives thereof;

R₂, R₃ and R₄ are, each independently, selected from the group consisting of hydrogen, C₁₋₆alkyl, C₂₋₂₀alkenyl, C₆₋₂₀arylalkyl, C₃₋₇cycloalkyl, C₃₋₇cycloalkylC₁₋₆alkyl, C₆₋₂₀aryl aralkyl, alkylcarbonyloxy, arylcarbonyloxy, alkyloxy, alkylthio, alkylamino, alkyloxyalkyl, alkanoyl, alkylcarbonylalkyl, optionally substituted by one or more substituents independently selected from the group consisting of alkyl, aralkyl, aryl, cycloalkyl, alkyloxycarbonyl, carboxyl, aminocarbonyl, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group consisting of alkyl, aralkyl, aryl, alkoxy, arylamino, alkyloxyalkyl, arylaminoalkyl, aralkoxy, alkoxy.

5. (Currently amended) ~~Compound~~ The compound according to any of claims 1 to 3 claim 1, having comprising the formula (3), wherein R₁, R₂, R₃ and R₄ have the same meaning as that defined above.

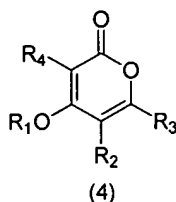


wherein R₁ is a glycosyl moiety, hydroxyl-protected acetate derivatives thereof or amino derivatives thereof;

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R₂, R₃ and R₄ are, each independently, selected from the group consisting of hydrogen, C₁₋₆alkyl, C₂₋₂₀alkenyl, C₆₋₂₀arylalkyl, C₃₋₇cycloalkyl, C₃₋₇cycloalkylC₁₋₆alkyl, C₆₋₂₀aryl aralkyl, alkylcarbonyloxy, arylcarbonyloxy, alkyloxy, alkylthio, alkylamino, alkyloxyalkyl, alkanoyl, alkylcarbonylalkyl, optionally substituted by one or more substituents independently selected from the group consisting of alkyl, aralkyl, aryl, cycloalkyl, alkyloxycarbonyl, carboxyl, aminocarbonyl, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group consisting of alkyl, aryl, aralkyl, aryloxy, arylamino, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkoxy.

6. (Currently amended) ~~Compound~~ The compound according to any of claims 1 to 3 ~~claim 1,~~ having comprising the formula (4), wherein R₁, R₂, R₃ and R₄ have the same meaning as that defined above.

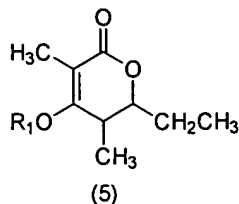


wherein R₁ is a glycosyl moiety, hydroxyl-protected acetate derivatives thereof or amino derivatives thereof;

R₂, R₃ and R₄ are, each independently, selected from the group consisting of hydrogen, C₁₋₆alkyl, C₂₋₂₀alkenyl, C₆₋₂₀arylalkyl, C₃₋₇cycloalkyl, C₃₋₇cycloalkylC₁₋₆alkyl, C₆₋₂₀aryl aralkyl, alkylcarbonyloxy, arylcarbonyloxy, alkyloxy, alkylthio, alkylamino, alkyloxyalkyl, alkanoyl, alkylcarbonylalkyl, optionally substituted by one or more substituents independently selected from the group consisting of alkyl, aralkyl, aryl, cycloalkyl, alkyloxycarbonyl, carboxyl, aminocarbonyl, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group consisting of alkyl, aryl, aralkyl, aryloxy, arylamino, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkoxy.

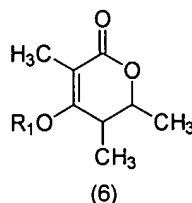
7. (Currently amended) ~~Compound~~ The compound according to any of claims 1 to 6 ~~claim 1,~~ wherein R₁ is glucopyranosyl or galactopyranosyl, R₂, R₃ and R₄ are each independently C₁₋₆alkyl.

8. (Currently amended) ~~Compound~~ The compound according to ~~any of claims 1 to 4~~ claim 1, ~~comprising having~~ the formula (5),



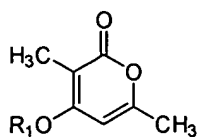
wherein R₁ is selected from the group ~~comprising consisting of~~ glucopyranosyl, fructosyl, galactopyranosyl, mannopyranosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, threosyl, sorbosyl, psicose, tagatosyl, fucosyl, arabinosyl, xylofuranosyl, lyxosyl, talosyl, idosyl, gulose, allose, allosyl, mannoheptulosyl, sedoheptulosyl, maltosyl, lactosyl, glucofuranosyl, sucrose, cellobiosyl, trehalose, gentiobiosyl, melibiose, turanose, sophorose, isosucrose, raffinose, gentianose, 2-amino-2-deoxy glucosyl, 2-amino-2-deoxy galactosyl, 2-amino-1,3-cyclohexanediol, and hydroxyl-protected acetate derivatives thereof or amino derivatives thereof.

9. (Currently amended) ~~Compound~~ The compound according to ~~any of claims 1 to 3 and 5~~ claim 1, ~~having comprising~~ the formula (6)



wherein R₁ is selected from the group ~~comprising consisting of~~ glucopyranosyl, fructosyl, galactopyranosyl, mannopyranosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, threosyl, sorbosyl, psicose, tagatosyl, fucosyl, arabinosyl, xylofuranosyl, lyxosyl, talosyl, idosyl, gulose, allose, allosyl, mannoheptulosyl, sedoheptulosyl, maltosyl, lactosyl, glucofuranosyl, sucrose, cellobiosyl, trehalose, gentiobiosyl, melibiose, turanose, sophorose, isosucrose, raffinose, gentianose, 2-amino-2-deoxy glucosyl, 2-amino-2-deoxy galactosyl, 2-amino-1,3-cyclohexanediol, and hydroxyl-protected acetate derivatives thereof or amino derivatives thereof.

10. (Currently amended) ~~Compound~~ The compound according to ~~any of claims 1 to 3 and 6~~ claim 1, ~~comprising having~~ the formula (7)

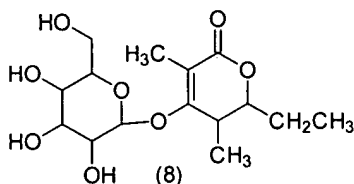


(7)

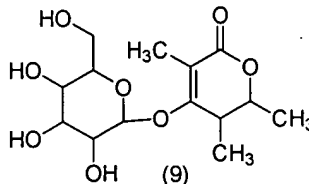
wherein R₁ is selected from the group ~~comprising~~ consisting of glucopyranosyl, fructosyl, galactopyranosyl, mannopyranosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, threosyl, sorbosyl, psicose, tagatose, fucose, arabinose, xylofuranosyl, lyxose, talose, idose, gulose, allose, allose, mannoheptulosyl, sedoheptulosyl, maltosyl, lactosyl, glucofuranosyl, sucrosyl, cellobiosyl, trehalosyl, gentiobiosyl, melibiosyl, turanosyl, sophorosyl, isosucrosyl, raffinose, gentianose, 2-amino-2-deoxy glucosyl, 2-amino-2-deoxy galactosyl, 2-amino-1,3-cyclohexanediol, and hydroxyl-protected acetate derivatives thereof or amino derivatives thereof.

11. (Currently amended) ~~Compound~~ The compound according to any one of claims 8 to 10, wherein R₁ is β-D-glucopyranosyl.

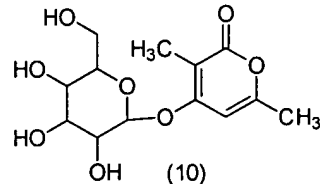
12. (Currently amended) ~~Compound~~ The compound according to ~~any of claims 1 to 11~~ claim 1 ~~having comprising~~ the formula (8), (9), or (10) or stereoisomers thereof.



(8)

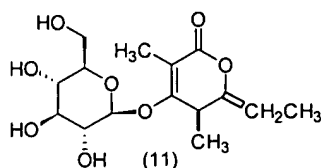


(9)

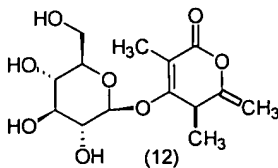


(10)

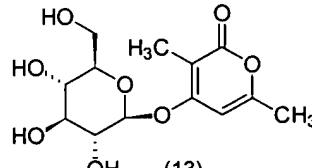
13. (Currently amended) ~~Compound~~ The compound according to claim 12 ~~having comprising~~ the formula (11), (12) or (13).



(11)



(12)



(13)

14. (Currently amended) ~~Use of a method of disease treatment which comprises administering a composition comprising the compound according to any of claims 1 to 13 as a medicament~~ claim 1 to a patient in need thereof.

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15. (Currently amended) A method of plant treatment which comprises administering a composition comprising the Use of a compound according to claim 1 to a plant to be treated. any of claims 1 to 13 as a phytopharmaceutic.

16. (Currently amended) A method of preparing a biostatic agent which comprises blending the Use of a compound according to any of claims 1 to 13 as a biostatic. claim 1 with a pharmaceutically acceptable carrier.

17. (Currently amended) Use of aA method of protecting a surface with a biocide comprising applying a coating composition comprising the compound according to any of claims 1 to 13 claim 1 as a biocide to the surface to be protected.

18. (Currently amended) Use of aA method of treating an infection which comprises administering a composition comprising the compound according to any of claims 1 to 13 claim 1 as an antibiotic to an individual in need thereof.

19. (Currently amended) Use of A method of preparing an antifouling agent which comprises blending thea compound according to any of claims 1 to 13 as an antifouling agent claim 1 with a coating composition.

20. (Currently amended) Use of aA method of treating an immune disease which comprises administering a composition comprising the compound according to any of claims 1 to 13 claim 1 as an immunosuppressive agent to an individual in need thereof.

21. (Currently amended) Use of aA method of treating a fungal disease which comprises administering a composition comprising the compound according to any of claims 1 to 13 claim 1 as an antifungal to an individual in need thereof.

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22. (Currently amended) ~~Use of a~~A method of treating cholesterol induced disease which comprises administering a composition comprising the compound according to any of claims 1 to 13claim 1 as a cholesterol lowering agent to an individual in need thereof.

23. (Currently amended) ~~Use of a~~A method of treating cancer which comprises administering a composition comprising the compound according to any of claims 1 to 13claim 1 as an anticancer drug to an individual in need thereof.

24. (Currently amended) ~~Pharmaceutical~~A pharmaceutical composition comprising at least one compound according to any of claims 1 to 13claim 1 and a pharmaceutically acceptable carrier.

25-28. (Cancelled)

29. (Currently amended) ~~A method of synthesizing a polyketide comprising Use of a~~treating a polyketide synthase with a compound according to any of claims 1 to 13claim 1 as an intermediate in the whereby synthesis of polyketides are synthesized.

30. (Currently amended) ~~Method for the preparation of a~~A method of preparing the compound according to any of claims 1 to 13claim 1 which comprises isolation of the compound from Tipulidae spp.